

Examiner's Copy

AN 1988-039313 [06] WPIDS

DNC C1988-017557

TI Corrosion resistant copper alloy - contains zinc, phosphorus, tin, aluminium., manganese, silicon and lead.

DC M26

PA (NIHA) NIPPON MINING CO

CYC 1

PI JP 62297429 A 19871224 (198806)* 4p <--

ADT JP 62297429 A JP 1986-139328 19860617

PRAI JP 1986-139328 19860617

AB JP 62297429 A UPAB: 19930923

The Cu alloy comprises, by wt., 10-45% Zn, 0.005-0.10% P, 0.05-1.0% Sn, 0.05-1.0% Al, 0.1-6.0% Mn, 0.05-3.0% Si, 0.1-4.0% Pb and the balance Cu and inevitable impurities. The Cu alloy may contain further 0.005-2.0% in total at least one of Fe, As, Sb, B, Ni, Co, Cr, Te, In, Ti, Zr, Hf, Be, Mg, Ag, Cd and Ge.

USE - The Cu alloy has improved corrosion resistance, wear resistance and machinability, and is used for machine parts, such as bearings gears, screws and valves.
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